

What is claimed is:

1. An information recording unit comprising:

a memory for firstly storing data,

a record medium for recording the data stored in said memory,

the data being recorded in at least two different areas on said record medium, and

a decision mean for determining one valid data among the recorded data recorded in the different areas.

2. An information recording unit comprising:

a memory for firstly storing data,

a record medium for intermittently recording the stored data in said memory,

a record means for recording the data on said record medium,

a valid-data decision means for determining whether the recorded data is valid,

wherein said record means records the data in at least two different areas on said record medium, and said decision determines one valid data among the recorded data of the different areas.

3. The unit as set forth in claim 2, the unit further comprising a record control means for controlling said record means,

wherein said record control means provides a control command for said record means to record a predetermined quantity of

data stored in said memory at a first recording location on said record medium and also provides a control command for said record means to read said predetermined quantity of data at least a second recording location different from said first recording location after said predetermined quantity of data is recorded at said first recording location.

4. The unit as set forth in claim 3, the unit further comprising a blank area search means for searching a blank area on said record medium,

Wherein said first recording location has a predetermined address of a blank area searched by said blank area search means, and said second recording location has an address different from the predetermined address of the searched blank area.

5. The unit as set forth in claim 2, the unit further comprising a data update means for updating data address information recorded in a control area on the record medium for controlling data addresses, wherein said data update means updates a data address of which data has been decided to be valid by said valid-data decision means.

6. The unit as set forth in claim 2, the unit further comprising:

a vibration detection means for detecting a vibration applied to the unit,

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5 a valid-data decision means for determining whether desired data is recorded on said record medium,

a first storage means for storing a first flag indicating the occurrence of a vibration in relation to a predetermined address when said vibration detection mean has detected a vibration during a data recording operation at the predetermined address, and

a second storage means for storing a second flag in relation to another predetermined address so as to indicate that said valid-data decision means has determined that desired data is not recorded at the another predetermined address on said record medium,

wherein said valid-data decision means determines whether the data is valid according to said flags stored by said first and second storage means.

7. The unit as set forth in claim 2, the unit further comprising:

20 a servo condition detection means for detecting whether at least one of a tracking error signal and a focus error signal reaches a predetermined threshold,

a record-data decision means for determine whether a desired data has been recorded on said record medium,

25 a third storage means for storing a third flag indicating the occurrence of a vibration in relation to a predetermined address during a data recording operation at the

predetermined address when said servo condition detection means has detected that said at least one error signal has reached the threshold,

5 a second storage means for storing a second flag corresponding to a predetermined address so as to indicate that said record-data decision means has determined that data is correctly recorded at the predetermined address on said record medium,

10 wherein said valid-data decision means determines whether the data is valid based on said flags stored in said second and third storage means.

15 8. The unit as set forth in claim 5, wherein said data update means updates a data address in a control area on said record medium so that the data address becomes blank when said valid-data decision means has determined that data corresponding to the data address is not valid.

20 9. The unit as set forth in claim 3, wherein said record means continues recording into the first recording location until the remaining data quantity in said memory reaches a predetermined quantity, and continues recording into the second recording location until said record means has recorded data originally identical with the data that has been recorded into the first recording location.

25 10. An information recording method of storing

data into a memory firstly and of recording intermittently the in-memory stored data on a record medium, the method comprising the steps of:

5 a first recording step for recording a predetermined quantity of first data at a first recording location on said record medium,

a second recording step for recording the first data at one or more locations different from the first recording location on the record medium,

10 a third recording step for recording a predetermined quantity of the second data stored in said memory at a third recording location adjacent to the first recording location on the record medium,

15 a fourth recording step for recording the second data at one or more recording locations adjacent to the recording location in which the first data has been recorded on said record medium in the second recording step, the first to fourth recording steps being repeated to record data stored in said memory on said record medium,

20 a vibration detection step for detecting a disturbing vibration during each of the first to fourth steps,

a recorded data decision step for determining whether the first and second data each has been recorded in the corresponding data recording location on said record medium, and

25 a valid-data decision step for determining one valid data

among two or more originally identical data recorded in different locations on said record medium based on a result of said vibration detection step during recording of the two or more identical data.

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11. An information recording method of storing data into a memory firstly and of recording intermittently the in-memory stored data on a record medium, the method comprising the steps of:

a first recording step for recording a predetermined quantity of first data at a first recording location on said record medium,

a second recording step for recording the first data at one or more locations different from the first recording location on the record medium,

a third recording step for recording a predetermined quantity of the second data stored in said memory at a third recording location adjacent to the first recording location on the record medium,

a fourth recording step for recording the second data at one or more recording locations adjacent to the recording location in which the first data has been recorded on said record medium in the second recording step, the first to fourth recording steps being repeated to record data stored in said memory on said record medium,

a servo condition detection step for detecting whether at

least one of a tracking error signal and a focus error signal reaches a predetermined threshold during each of the first to fourth recording steps,

5 a record-data decision step for determining whether the first and second data each has been recorded in the associated data recording location on said record medium, and

a valid-data decision step for determining one valid data among two or more originally identical data recorded in different locations on said record medium based on a result of said servo condition detection step during recording the two or more identical data.

12. The method as set forth in claim 10, the method further comprising a data updating step for updating data address information recorded in a control area on the record medium to control a data address based on a result of said valid-data decision step.

20 13. The method as set forth in claim 11, the method further comprising a data update step for updating data address information recorded in a control area on the record medium to control a data address based on a result of said valid-data decision step.

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